

Vermeer®

Beijing Manufacturing
Brush Chipper

BC1000E

by VBM



BC1000E

by VBM

An Alternative Way to Power Your Brush Chipper.

The BC1000E by VBM is an electric-powered brush chipper designed for stationary applications and for users in the biofuels and waste reduction who demand an organic waste reduction option that helps eliminate fuel emission issues.

The heavy-duty, all-steel motor enclosure is designed to hold up to daily use and wear. The unit's large feed opening enables you to process material up to 30 cm (11.8") in diameter, which helps boost productivity by reducing the need to trim material.

Operator safety is enhanced by the patented Bottom Feed Stop Bar which is located along the bottom of the feed table. This system makes it possible for an operator's leg to either intentionally or automatically strike the bar and shut off the feed mechanism in an emergency. Dual reset/hold-to-run buttons allow the operator to readily reset the Bottom Feed Stop Bar. Operational controls are located close by for easy access and monitoring during machine operation.

The BC1000E by VBM is easily moved from one location to another by either using the three hoist rings or multiple fork lift positions.



Siemens electric motors.

The BC1000E by VBM features two Siemens induction electric motors. A 55 kW (73.8 hp) powers the drum, while a 3 kW (4 hp) runs the infeed roller via a hydraulic circuit. Both the drum and infeed roller motors are IP55-certified and enclosed by an all-steel hood, protecting them from the weather and worksite conditions. Either 50-Hz or 60-Hz motors are available.



The patented SmartFeed system

helps increase operator productivity while reducing strain on vital equipment components. The feed-sensing control system monitors motor current and automatically stops or reverses the feed roller when feeding larger, hardwood material.



A large rectangular 30.5 cm x 43.2 cm (12" x 17") feed opening helps boost productivity by reducing the need to trim material before feeding it into the chipper.

Brush Chipper



The BC1000E by VBM produces consistent-sized chips that can be used for biofuels, waste reduction and other industrial uses.



The control panel is fully weather-proofed and contains a Siemens soft starter, which helps protect the drum motor from overloading/overheating and voltage dips from the power grid.

BC1000E by VBM Specifications

**Available through select Vermeer dealers*

General

Weight: 2000 kg (4409.2 lb)
Length (table down): 355.6 cm (140")
Width: 170.2 cm (67")
Height: 259.1 cm (102")

Electric Motor - 50 Hz

Drum Motor

Power: 55 kW (73.8 hp)
Voltage: 380 AC or 415 AC
Phase: 3
Enclosure: IP55
Full load amps: 103
Full load rpm: 1480 rpm

Infeed Roller Motor

Power: 3 kW (4 hp)
Voltage: 380 AC or 415 AC
Enclosure: IP55
Phase: 3
Enclosure: IP55
Full load amps: 6.3
Full load rpm: 2860 rpm

Electric Motor - 60 Hz

Drum Motor

Power: 55 kW (73.8 hp)
Voltage: 380 AC
Phase: 3
Enclosure: IP55
Full load amps: 103
Full load rpm: 1770 rpm

Infeed Roller Motor

Power: 3 kW (4 hp)
Voltage: 380 AC
Phase: 3
Enclosure: IP55
Full load amps: 6.3
Full load rpm: 3460 rpm

Capacities

Hydraulic tank: 26.5 L (7 gal)

Cutting System

Drum size: 50.8 cm (20") diameter
Speed: 2020 rpm
Knives: 2
Shear bar: 4 usable edges

Feed/Discharge System

Infeed throat/feed capacity: 30.5 cm x 43.2 cm
(12" x 17")
Infeed opening: 132.1 cm x 81.3 cm (52" x 32")
Feed table length: 176.5 cm (69.5")
Feed table height: 76.2 cm (30")
Feed roller style: Single, horizontal
Infeed rate: 0-47.9 m/min (0-157 fpm)

Chassis

Frame: .76 m x 17.8 cm (.3" x 7") fabricated z-section
three hoist hook rings

Electrical

DC control system voltage: 12-volt/24-volt

Control Box

Length: 85.9 cm (33.8")
Width: 39.9 cm (15.7")
Height: 125 cm (49.2")
Weight: 32.8 kg (88 lb)

The Vermeer dealer network: Reliable support, all over the world.



With nearly 200 locations across the globe - you're never far from an independent, authorized Vermeer dealer. Our dealers are in place to support your success with product expertise that's second to none.



When you need service, you can count on your local Vermeer dealer. With multiple locations, remote service trucks, and factory-offered technician training, your local Vermeer dealer offers reliable service that keeps your equipment running.



Vermeer parts are designed and manufactured to original specifications, so whether they're new parts or replacement parts, they'll live up to the Vermeer name.



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